INTERNATIONAL SEARCH REPORT

International application No. PCT/US99/19028

A. CLASSIFICATION OF SUBJECT MATTER				
IPC(6) :G06F 15/00				
US CL :345/327; 709/217, 218, 219; 348/906 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
U.S. : 345/327; 709/217, 218, 219; 348/906, 722, 7, 9				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No	
Y	US 5,659,350 A (HENDRICKS et al) 19 August 1997, see whole document.			
Y	US 5,583,937 A (ULLRICH et al) 10 December 1996, see whole document			
A,E	A,E US 6,008,803 A (ROWE et al) 28 December 1999, see whole document.			
A,P	US 5,850,218 A (LAJOIE et al) 15 December 1998, see whole document.			
Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of eited documents				
-1:- ea	whet document published on or after the international filing date	"X" document of particular relevance, it considered novel or cannot be considered.		
	scurrent which may throw itendes on priority claim(s) or which is	when the document is taken alone		
cuted to establish the publication date of another custion or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means		combined with one or more other and	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the locument is combined with one or more other auch documents such continuous being obvious to a person skilled in the art	
-p- do	ocument published prior to the international filing date but later than ie priority date claimed	*A* document member of the same pater		
Date of the actual completion of the international search Date of mailing of the international search report				
13 JANUARY 2000 10 FEB 2000				
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